

IN THE CLAIMS

1. (currently amended) A packet transmitting method comprising the steps of:
controlling a timing of packet transmission in a transmission terminal on a packet network; and
controlling the amount of data to be transmitted per unit time from the transmission terminal to the network,
wherein a packet is transmitted at an interval according to a packet size.
2. (original) The packet transmitting method according to claim 1, wherein the amount of data to be transmitted to the network per unit time is dynamically changed.
3. (canceled).
4. (canceled).
5. (original) A packet transmission apparatus comprising:
time calculating means for calculating time necessary for transmitting each packet; and
means for controlling a timing of packet transmission based on the time for transmitting each packet, calculated by the time calculating means.
6. (original) A packet transmitting method comprising the steps of:
independently controlling a packet order and a packet flow rate in a transmission terminal on a packet network; and
carrying out bandwidth guaranteeing for a plurality of flows.
7. (original) A packet transmission apparatus for transmitting a plurality of flows onto a packet network by carrying out bandwidth guaranteeing, comprising:
scheduling means for controlling an order of packets; and
shaping means for controlling a flow rate of packets,
wherein bandwidth guaranteeing is carried out for the plurality of flows by independently controlling a packet order and a packet flow rate.
8. (original) The packet transmission apparatus according to claim 7, wherein the

shaping means controls the flow rate of packets by hardware.

9-11. (canceled).